



## **Philosophical Transactions**

Please note: Due to an error in the print volume, the page numbering in this article may contain either page numbering skips, or page numbering repetitions, or both. However, the article content is presented in its entirety and in correct reading order.

**Please click on "Next Page" (at the top of the screen) to begin viewing the article.**

*The Longitudes, Latitudes, right Ascensions, and Declinations of the chiefest fixt Stars according to the best Observers ; in a Letter from Mr. Edward Bernard, to the reverend and learned Dr. Rob. Huntington Provost of Trinity College near Dublin in Ireland.*

Edvardus Bernardus Roberto Huntingtonio S.

**D**UM dies aliquot rigidissimæ omnium brumæ, quarum apud vivos memoria, in Museo Mertonensi, ubi te nuper ac olim novimus, ego forte comburerem, crudamque tui absentiam opportunitate loci quadantenus lenirem : inter codices tuos Arabicos ( numeras autem plus quadraginta doctrinæ & observationis Sideralis refertis ) in Tabulis Ilchanicis studio Persæ præclari Choagæ Nasirodini Tulsii factum offendi, ut precipui honoris stellas fixas secundum variorum Astronomorum varia observata, quæ Latæ ut Loquuntur, quæve illæ Longæ in cælo deprehendebantur, brevis pagina præsentaret. Hoc ergo Canonion partim ex tuo peculio, ut vides, partim ab aliis adauxi. Non equidem quasi rem magnam mihi viderer adeo fecisse. Verum ut nostri homines sensum ac opinionem aliquam concipiant Astronomiæ Orientis, ubi arsea primum nata constat: aut subtiliora adhuc desiderant pro otio nostro ex Arabum Almagestis exponenda: aut potissimum, ut tu, Vir charissime, amicitia nostræ tesseram habeas non obscuram, sed notam tibi ac familiarem. Multa sane commendant Astronomiam Orientalium. Felicitas quidem & claritas regionum, ubi observatum: Machinarum granditas & accuratio, quantas plerique nostri credere nolunt cælo ipsos obvertisse. Contemplantium insuper numerus & scribentium, decuplo major quam apud Græcos Latinosque celebratur. Adde decuplo plures, munificentiores, ac potentiores Principes, qui viris boni ingenii sumtus & arma cælestia dederunt. Quid vero Astronomi Arabum in Cl. Ptolemæo, magno Constructore artis Cælestis, injuria nulla reprehenderint: quam illi sollicitè temporis minutias, per aquarum guttulas, immanibus Sciotheris, imo (mirabere) fili penduli vibrationibus, jam pridem distinxerint & mensurarint: quam etiam perite & accurate versaverint in magno molimine ingenii humani, de ambitu intervalloque binorum Luminarium & nostri Orbis, una epistola narrare non debet. Bene tibi, antiquissimæ amicorum, bene philosophis Hibernis.

Dabam ex Bibliotheca vestra Orientali apud Oxoniam VI. KAL. Apriles. CI<sup>O</sup>IOCLXXXIII.

# CANON PRÆCIPUARUM ESTELLIS FIXIS SECUNDUM OBSERVATA MAJORUM.

*m. Meridionalis.*  
*b. Borealis.*

*a Cl. Ptolemao in magna  
Syntaxi an. Christi. 137.*

		<i>Long.</i>	<i>Latit.</i>	<i>Magnit.</i>
1. 34.	<b>U</b> ltima Fluvii. ὁ ἐξ αὐτοῦ ποταμὸς λαμπρὸς. آخر النهر للظلم. ائلاذ.	V 10 30'. 53 30' m. 1.		
2. 12.	Lucida cathedræ Cassiopeiae. ὁ δὴ μέσος τῆς ἀνακλιτρῆς. كلف الخضيبي. خفر بعبامو.	V 7 50'. 51 40' b. 3.		
3. 12.	Persei caput Medusæum. τὸ ἐν τῇ γοργονείῳ ὁ λαμπρὸς. γοργόνιον. رأس الغول. κεφαλή ἱππεύς, rectius μορμύς.	V 29 40'. 23 0' b. 2.		
4. 14.	Oculus Tauri austrinus. ὁ λαμπρὸς τῆς ὕδατος δὴ τῆς νοτίης ὀφθαλμὸς ὑπόκρυτος. λαμπάρας. ὄμμα βοός, العين الثور. الدبران.	Υ 12 40'. 51 10' m. 1.		
5. 35.	Orionis pes sinister. ὁ ἐν τῇ ἀεισερῷ ἀκρόποδι τῆς ὀρίωνος λαμπρὸς, τῆς ὕδατος κοινός. Rigel. πῦρ διδύμων. رجل الجوزا اليسرى.	Υ 20 50'. 31 30' m. 1.		
6. 3.	Capella Aurigæ. ὁ ἐπ' ἀεισερῷ ὅμις τῆς ἀνιόχου, καλέμβρος αἰῶν. αἰὼν, عيقوق, Pleiadum remora.	Υ 25 0'. 22 30' b. 1.		
7. 2.	Orionis humerus dexter. ὁ δὴ δεξιῷ ὅμις τῆς ὀρίωνος λαμπρὸς ὑπόκρυτος. ὄμις διδύμων. رجل الجوزا. Aliquibus humerus sinister præcedens.	Π 2 0'. 17 0' m. 1.		
8. 1.	Sirius in ore Canis majoris. ὁ ἐν τῇ στόματι τῆς κυνὸς λαμπρότατος, καλέμβρος κύων, ὑπόκρυτος. σιανὴ ἱαμανή, شعري جماني, Sirius australior. Alhabor, العبور, αλακτοπό.	Π 17 40'. 39 10' m. 1.		
9. 2.	Procyon, aut Canis minor. ὁ κατὰ τὸ πιδίον τῆς προκυνὸς λαμπρὸς, καλέμβρος προκύων. σιανὴ σαμιά, شعري شامية, Sirius borealior. Algomeisa, الغميصا, tamquam lippa.	Π 29 30'. 16 10' m. 1.		
10. 8.	Cor Leonis. ὁ δὴ τῆς καρδίας τῆς λέοντος, καλέμβρος βασιλίσκος. Regulus, القلب الملك. قلب الأسد.	δ 2 30'. 0 10' b. 1.		
11. 14.	Spica Virginis. ὁ δὴ τῆς ἀεισερῆς ἀκροχείρης τῆς παρθένης, καλέμβρος σάχης. μικρὸς κονταράτος, السماك الاعزل, fulcrum inermis. السنبلة.	πρ 26 40'. 2 0' 6.		

CANON PRÆCIPUARUM E STELLIS FIXIS  
SECUNDUM OBSERVATA MAJORUM.

*a Cl. Ptolemæo in magna  
Syntaxi an. Christii 137.*

*Long. Latit. Magnit.*

12. 23. Arcturus. ὁ μεταξὺ τῶν μνηρῶν τῷ βοώτι, καλέμενος }  
ἀρκιῦρος, ὑπόκυρτος. κονταράτος. سماك الراعي } mp 27 0'. 31 30' b. 1.  
τὸ ἔρεσμα τῷ ὀπλίτῃ.
13. 8. Antares. ἡ ἐν τῇ σώματι τῷ σκορπίου ὁ μέσος καὶ }  
ὑπόκυρτος, καλέμενος ἀντάρης. καρδία σκορπίου. } m 12 40'. 4 0' m. 2.  
قلب العقرب. } al. 20'.
14. 1. Caput Ophiuchi. ὁ ὅτι τῇ κεφαλῇ τῷ ὀφίον. }  
رأس الحوا. الراعي, ὁ ποιμνίω. } m 7 24 50'. 36 0' b. 3.
15. 1. Lucida Lyræ. ὁ λαμπρὸς ὅτι τῷ ὀφείον, καλέμενος }  
λύρα. γυφ. χειρὶς, النسر الواقع. } + 17 20'. 62 0' b. 1.
16. 3. Aquilæ lucida. ὁ ὅτι τῷ μεταφρένι τῷ αἰετὶ λαμ- }  
πρὸς, καλέμενος αἰετός. γυφ. πετόμενος, النسر }  
الطائر. } 30 3 50'. 29 10' b. 2.
17. 5. Lucida in cauda Cygni. ὁ ἐν τῇ ὕρῃ τῷ ὄρνιδος }  
λαμπρὸς, ὕρῃ ὄρνιδος, ردف. ذنب الدجاجة } m 9 10'. 60 0' b. 2.  
ذيل الدجاجة.
18. 3. Lucida in crure dextro Pegasi. ὁ ὅτι τῇ δεξιᾷ }  
ἄμω τῷ ἵππου καὶ τῇ τῷ ποδὶ ἐκφύσεως. Seat. } ( 2 10'. 35 0' b. 2.  
ἄμω ἵππου. منكب الفرس. } الفرع المقدم.
19. 2. Alæ Pegasi ultima. ὁ ὅτι τῇ ὀσφύος τῷ ἵππου }  
καὶ ἄκρου τῷ πτέρῃ αὐτοῦ. πύγας. Algenib. } ( 12 10'. 12 30' b. 2.  
الفرع المؤخر, جناح الفرس.
20. 7. Perfei lucidum latus. ὁ ἐν τῇ δεξιᾷ πλάτῃ τῷ }  
περσέως λαμπρὸς. πλάτῃ περσέως. مرقف الثريا } 84 50'. 30 0' b. 2.  
الكف الجنما.
21. 27. Cauda Leonis. ὁ ἐπ' ἄκρας τῇ ὕρῃ τῷ λέοντος. }  
الصرق. } 8 24 30'. 11 50' b. 1.
22. 1. Os Piscis australis in aqua extrema. ὁ ἐν τῇ }  
σώματι τῷ ἰχθύος τῷ νοτίου. σῶμα ἰχθύος μέσσι. } m 7 0' 23. 0' m. 1.  
فم الحوت الجنوبي.
23. 44. Canopus. ἡ ἐν τῇ νοτίῳ πηδάλῳ τῇ ἀργῇ ὁ προ- }  
γύμενος, καλέμενος κῶνωσος. σάλι ἱσμανή. } II 17 10'. 75 0' m. 1.  
اليمن, quasi fidus benignum.

[ 570 ]  
PRÆCIPUARUM FIXARUM CANON JUXTA  
OBSERVATIONES SELECTAS.

	ε. <i>Ali Abolcasimo</i> <i>anno Christi 938.</i>	γ. <i>Abdrahamo</i> <i>Sophio an. Christi</i> <i>964. Is cum Prole-</i> <i>mao convenit κατὰ</i> <i>πλάτος.</i>
	<i>Longit.</i> <i>Latit.</i>	<i>Longit.</i>
1 Ultima fluvii.	0. 11, 50'. 53 30'	0 12 53'
2 Lucida cathedræ Cassiopeiæ.	0. 20, 20'. 51 45'	0 20 32'
3 Persei caput Medusæum.	1. 12, 17'. 22 45'	1 12 22'
4 Oculus Tauri austrinus.	1. 24, 35'. 5 15'	1 25 22'
5 Orionis pes sinister.	2. 2, 1'. 31 4'	2 2 32'
6 Capella Aurigæ.	2. 6, 49'. 22 50'	2 7 42'
7 Orionis humerus dexter. <i>Non-</i> <i>nullis humerus sinister præcedens.</i>	2. 13, 16'. 16 45'	2 14 42'
8 Sirius.	2. 29, 30'. 39 20'	3 0 22'
9 Procyon.	3. 10, 40'. 16 0'	3 11 12'
10 Cor Leonis.	4. 34, 40'. 0 15'	4 15 12'
11 Spica Virginis.	6. 8, 23'. 2 6'	6 9 22'
12 Arcturus.	6. 8, 50'. 31 12'	6 9 42'
13 Antares.	7. 24, 35'. 4 24'	7 25 22'
14 Caput Ophiuchi.	8. 6, 53'. 36 0'	8 7 32'
15 Lucida Lyræ. Vultur cadens.	9. 0, 40'. 61 45'	9 0 2'
16 Aquilæ lucida. Vultur Volans.	9. 15, 53'. 29 12'	9 16 32'
17 Lucida in cauda Cygni.	10 20, 4'. 59 36'	10 21 52'
18 Lucida in crure dextro Pegasi.	11. 14, 0'. 31 10'	11 14 52'
19 Alæ Pegasi ultima.		11 24 52'
20 Persei lucidum latus.	1. 16, 15'. 30 8'	1 17 32'
21 Cauda Leonis.	5. 6, 40'. 11 50'	5 7 12'
22 Os Piscis australis.		10 18 12'
23 Canopus.		2 29 52'

*δ Ebn.*

# CANON PRÆCIPUARUM ESTELLIS FIXIS SECUNDUM OBSERVATA MAJORUM.

δ. Ebnolalamo an. 1. Ex Canonibus 5. Choaga Nasiro- ζ. Ex Sultanicis n. Abdolga-  
Christi 980. Hacimicis Joha- dino Tustio in Ta- Ologbeci anno lilo Segazto  
nida Egyptij an. bulis Ilchanicis an. Christi. 1437. in Geneth-  
Christi 996. Chr. 1233. liacis anno  
Chr. 1261.

Longit.	Latit.	Longit.	Latit.	Longit.	Latit.	Longit.	Latit.	Longit.
01.6,42'.53,30'	0.16,20'.53,28'	0.24,55'.51,45'	0.15,40'.53,45'	0.6,45'				
0.24,9'.51,45'	0.24,34'.51,50'	0.24,35'.51,40'	0.28,1'.50,48'	0.25,2'				
1.15,1'.22,45'	1.15,24'.22,39'	1.16,25'.23,0'	1.18,54'.22,0'	1.16,52'				
1.28,40'.5,15'	1.29,7'.5,15'	1.29,22'.5,13'	2.2,31'.5,15'	1.29,45'				
2.5,55'.31,20'	2.5,30'.31,35'	2.6,35'.31,30'	2.9,25'.31,18'	2.6,52'				
2.10,50'.22,50'	2.11,32'.22,3'	2.11,10'.22,40'	2.14,43'.22,42'	2.11,43'				
2.17,21'.16,45'	2.17,46'.16,50'	2.18,0'.16,50'	2.21,13'.16,43'	2.19,12'				

3.3,40'.39,20'	3.4,2'.39,30'	3.3,50'.39,10'	3.6,19'.39,30'	3.4,28'				
3.15,45'.16,0'	3.15,52'.16,2'	3.15,45'.16,5'	3.18,22'.16,0'	3.16,11'				
4.18,45'.0,15'	4.19,10'.0,10'	4.19,14'.0,17'	4.22,13'.0,9'	4.19,42'				
6.12,33'.2,6'	6.12,58'.2,10'	6.13,25'.1,52'	6.16,10'.2,9'	6.13,26'				
6.12,55'.31,12'	6.13,49'.31,33'	6.13,0'.31,25'	6.16,31'.31,18'	6.13,47'				
7.28,40'.4,24'	7.29,9'.4,25'	7.29,0'.4,10'	8.2,16'.4,30'	7.29,45'				
8.11,2'.36,0'	8.11,34'.35,59'	8.11,15'.35,55'	8.15,13'.55,51'	8.11,49'				
9.4,45'.61,45'	9.5,0'.61,55'	9.4,40'.61,50'	9.8,19'.62,0'	9.5,38'				
9.20,58'.23,14'	9.20,34'.29,10'	9.20,40'.29,15'	9.24,10'.29,15'	9.20,56'				
10.24,2'.59,36'	10.23,31'.59,38'	10.24,30'.59,50'	10.28,46'.59,42'	10.26,15'				
11.18,54'.31,10'	11.18,44'.31,12'	11.18,44'.31,12'	11.21,37'.30,51'	11.18,58'				
11.24,52'.2,30'		11.18,55'.31,1'	0.1,22'.12,34'					

\* Non vidit unquam nepos Timuri  
clarum Canopum; non ceteri hujus Ca-  
nonis, exceptis Alexandrinis.

1.21,35'.30,0'	1.25,7'.29,21'	1.22,2'		
5.11,55'.11,50'	5.13,49'.12,0'	5.11,38'		
10.23,45'.23,0'	10.20,40'.21,30'	10.23,53'		
3.3,55'.75,0'	*	3.4,3'		

Ex

# PRÆCIPUARUM FIXARUM CANON JUXTA OBSERVATIONES SELECTAS.

	θ <i>Ex Persicis</i> <i>Chrysoceca</i> <i>anno Chr.</i> 1115.	ι <i>Ex Canonibus</i> <i>Persarum</i> <i>Pembrochianis</i> <i>an Chr.</i> 1346. <i>Melixa</i> 338.
	<i>Longit.</i>	<i>Longit.</i>
1 Ultima fluvii.	ν 15 10'	0'
2 Lucida cathedræ Cassiopeiæ.	ν 22 50'	0'
3 Persei caput Medusæum.	γ 14 40'	18 10'
4 Oculus Tauri austrinus.	γ 27 0'	II 1 30'
5 Orionis pes sinister.	II 4 50'	8 20'
6 Capella Aurigæ.	II 10 50'	13 3'
7 Orionis humerus dexter. <i>Non nullis</i> humerus sinister præcedens.	II 17 0'	20 30'
8 Sirius.	♄ 2 40'	18 0'
9 Procyon.	♄ 14 10'	18 0'
10 Cor Leonis.	♌ 17 30'	9 31'
11 Spica Virginis.	♍ 11 40'	15 10'
12 Arcturus.	♍ 12 0'	15 30'
13 Antares.	♏ 27 40'	→ 1 10'
14 Caput Ophiuchi.	0'	0'
15 Lucida Lyræ. Vultur cadens.	♌ 2 20'	5 0'
16 Aquilæ Lucida. Vultur Volans.	♌ 18 50'	22 20'
17 Lucida in cauda Cygni.	☞ 24 10'	10 20'
18 Lucida in crure dextro Pegasi.	♌ 17 10'	20 40'
19 Alæ Pegasi ultima.	♌ 27 10'	0'
20 Persei lucidum latus.	γ 19 50'	0'
21 Cauda Leonis.	0'	mp 13 0'
22 Os Piscis australis.	☞ 22 0'	0'
23 Canopus.	II 2 10'	0'

ia *Ex*

PRÆCIPUARUM FIXARUM CANON JUXTA OBSERVATIONES SELECTAS.

1a Ex Codice  
Arnoldino a-  
pud Gassen-  
dum pro anno  
Christi 1364.

Longit.		
V	18	20'
♄	17	45'
II	1	0'
II	8	0'
II	13	10'
II	18	10'
♄	6	0'
♄	17	20'
♄	20	40'
♄	15	0'
♄	14	10'
♄	27	40'
		0'
mp	5	30'
mp	22	0'
mp	27	18'
♄	20	20'
		0'
		0'
		0'
mp	12	40'
		0'
		0'

1b Ex Codicibus  
Illustrum vi-  
rorum Savilii  
& Bodleii,  
quasi pro an.  
Chr. 750.

Longit.		
V	12	20'
♄	2	50'
♄	19	50'
II	2	10'
II	9	10'
II	24	50
♄	6	40'
♄	9	39'
♄	4	50'
♄	4	10'
mp	7	19 20'
		0
♄	24	
♄	15	0
		0'
		0'
		0'
		0
mp	1	45'

1c Mohammedi Tizinio anno  
Christi 1533.

Ascens. recta.	Declin.
130 17'	41 0'
86 55'	56 41'
130 14'	39 43'
153 0'	15 43'
163 43'	9 13'
161 39'	45 0'
173 15'	6 28'
187 0'	15 50'
199 0'	6 5'
236 0'	14 8'
285 36'	8 29'
299 0'	22 14'
330 57'	22 42'
348 57'	13 9'
38 37'	5 29'
22 5'	7 24'
36 40'	43 50'
71 0'	25 16'
88 10'	12 23'
133 46'	47 52'
261 20'	17 55'
68 45'	33 51'
183 40'	51 35'



[ 574 ]  
 CANON PRÆCIPUARUM ESTELLIS FIXIS  
 SECUNDUM OBSERVATA MAJORUM.

	<i>13. Sababodino Alepenſi ad Il- chanicas pro an. Chr. 1436. Aſcenſ. Declin.</i>	<i>12. Oladino Sateridæ in Ta- bulis Damafcenis anno Chriſti. 1480. Longit. Aſcenſ. Declin.</i>
1 Ultima fluvii.	132,10'.41,30'	0.20,34'.129,30'.17,0'
2 Lucida cathedræ Caſſiepeïæ.	84,2'.55,45'	0.18,16'.83,50'.55,50'
3 Perſei caput Meduſæum.	127,44'.39,4'	1.20,4'.127,55'.38,50'
4 Oculis Tauri auſtrinus.	150,40'.15,20'	1.3,4'.149,50'.15,0'
5 Orionis pes ſiniſter.	162,20'.9,20'	0.167,50'.5,10'
6 Capella Aurigæ.	158,30'.44,43'	2.15,24'.157,40'.44,40'
7 Orionis humerus dexter. <i>Non- nullis humerus ſiniſter præcedens.</i>	171,55'.6,15'	2.22,24'.170,10'.6,10'
8 Sirius.	185,45'.15,43'	4.4,4'.184,20'.15,45'
9 Procyon.	197,25'.6,7'	4.19,44'.196,30'.6,30'
10 Leonis.	234,0'.15,10'	4.24,44'.233,30'.15,5'
11 Spica Virginis.	283,40'.7,30'	6.16,30'.283,20'.7,30'
12 Arcturus.	297,39'.33,8'	6.17,24'.297,0'.23,30'
13 Antares.	331,0'.24,12'	8.3,4'.322,0'.24,15'
14 Caput Ophiuchi.	347,5'.13,20'	
15 Lucida Lyræ. Vultur cadens.	38,32'.4,20'	9.7,44'.4,0'.38,30'
16 Aquilæ iucida. Vultur Volans.	20,5'.7,3'	9.24,14'.20,0'.7,5'
17 Lucida in cauda Cygni.	36,20'.43,15'	35,10'.4,30'
18 Lucida in crure dextro Pegafi.	68,50'.24,30'	11.22,34'.68,20'.24,0'
19 Alæ Pegafi ultima.	85,54'.11,30'	0.2,34'.85,5'.11,30'
20 Perſei lucidum latus.	130,20'.47,11'	127,20'.1,40'
21 Luda Leonis.	259,30'.17,55'	5.14,54'.259,5'.18,10'
22 Os Piſcis auſtralis.	67,25'.35,2'	10.24,24'
23 Canopus.	183,30'.5,25'	181,15'.51,50'

# CANON PRÆCIPUARUM ESTELLIS FIXIS SECUNDUM OBSERVATA MAJORUM.

15. *Ex Tabulis Ro-*  
*dolphinis an.Chr.1600.*  
*ad Contemplationes Ty-*  
*chonis Brahei.*

16. *Ricciolo Bononiensi in Astronomia Reformata*  
*anno Christi, 1660.*

	Longit.	Latit.	Longit.	Latit.	Ascens.	Declinat.
1.	V. 21, 10. 53, 30.	V. 22, 0', 14".	53, 30, 0.			
2.	V. 29, 35 $\frac{1}{2}$ . 51, 14 $\frac{1}{2}$ .	8. 0, 22, 0".	51, 17, 0".	357, 44', 33".	57, 18', 40".	
3.	8. 20, 37'. 22, 22'.	8. 21, 32', 10".	22, 22', 40".	41, 33, 54".	39, 36, 30".	
4.	II. 4. 12'. 5, 31'.	II. 5, 1', 43".	5, 30, 50".	64, 6', 58".	15, 46', 10".	
5.	II. 11, 37'. 31, 11'.	II. 12, 3', 10".	21, 10', 10".	74, 32', 38".	8, 37', 30".	
6.	II. 16, 16'. 22, 50 $\frac{1}{2}$ .	II. 17, 6', 15".	22, 51', 45".	72, 52, 20".	45, 36', 0".	
7.	II. 15, 23'. 16. 63'.	II. 16, 13', 0".	16, 52, 30".	76, 45', 4".	5, 59', 50".	
8.	☉. 8, 35 $\frac{1}{2}$ . 39, 30'.	☉. 9, 3', 0".	39, 32', 5".	97, 30', 18".	16, 16', 30".	
9.	☉. 20, 8 $\frac{1}{2}$ . 15, 57'.	☉. 21, 6', 30".	15, 57', 10"	110, 22', 32. 6, 4', 0".		
10.	☉. 24, 17'. 0, 26 $\frac{1}{2}$ .	☉. 26, 4', 45".	0, 26', 20".	147, 31', 14".	13, 36', 30".	
11.	☿. 18, 16'. 1, 59'.	☿. 19, 6, 0.	1, 59', 30".	196, 51', 0'. 9, 20', 30".		
12.	☿. 18, 39 $\frac{1}{2}$ . 31, 2 $\frac{1}{2}$ .	☿. 19, 30', 4" 0.	31, 0, 40".	210, 4', 38".	20, 59', 50".	
13.	♈. 4, 13'. 4, 27'.	♈. 5, 1', 40".	4, 26, 30".	242, 10', 40".	25, 33', 30".	
14.	♈. 16, 50'. 35, 57'.	♈. 17, 43', 20".	35, 56', 15".	259, 47', 14".	12, 52', 30".	
15.	♈. 9, 43'. 61, 47 $\frac{1}{2}$ .	♈. 10, 32', 40".	61, 47', 0".	276, 19', 32".	30, 50', 40".	
16.	♈. 26, 9'. 29, 21 $\frac{1}{2}$ .	♈. 26, 58', 30".	29, 20', 40".	293, 31', 59".	8, 1', 20".	
17.	♈. 29, 53 $\frac{1}{2}$ . 59, 56 $\frac{1}{2}$ .	♈. 0, 41', 25".	59, 57, 20. 307, 26', 35".	44, 6', 40".		
18.	♈. 23, 49 $\frac{1}{2}$ . 31, 7 $\frac{1}{2}$ .	♈. 24, 40', 20".	31, 8', 20".	341, 51', 48".	29, 15', 50".	
19.	♈. 3, 28 $\frac{1}{2}$ . 12, 35'.	♈. 4, 26', 20".	12, 37', 0".	358, 57', 0".	13, 19', 20".	
20.	♈. 26, 17'. 30, 5'.	♈. 27, 0', 8".	30, 5', 40".	44, 52', 30".	48, 34', 30".	
21.	♈. 16, 3'. 12, 18'.	♈. 16, 53', 0".	12, 16', 20".	172, 53', 58".	16, 27', 40".	
22.	♈. 28, 11 $\frac{1}{2}$ . 21, 0'.	♈. 29, 2', 56".	20, 59', 40".	339, 37', 0".	31, 20', 10".	

[574]

III. PRÆCIPUARUM FIXARUM DISTANTIÆ JUXT  
OBSERVATIONES SELECTAS.

- |   |  |
|---|--|
| 1 Ultima fluvii.                          | 1. o.  |
| 2 Lucida cathedræ Cassiopeiæ.             | 2. à Seat 33, 4'. à cauda cygni 33, 32½.             |
| 3 Persei caput Medusæum.                  | 3. à latere Persei 9, 23½. à capella 23, 37'.        |
| 4 Oculi Tauri austrinus.                  | 4. à Sirio 45, 58½. ab Algomeisa 46, 22'.            |
| 5 Orionis pes sinister.                   | 5. ab oculo tauri 26, 33'. à capella 54, 15½.        |
| 6 Capella Aurigæ.                         | 6. ab oculo tauri 36, 43½. à Persei latere 19, 1     |
| 7 Orionis humerus dexter. <i>Non-</i>     | 7. ab oculo tauri 15, 47½.                           |
| <i>nullis</i> humerus sinister præcedens. |  |
| 8 Sirius.                                 | 8. ab Algomeisa 25, 42'. à rigel 23, 40'.            |
| 9 Procyon.                                | 9. à regulo 37, 20'. à rigel 38, 37½.                |
| 10 Cor Leonis.                            | 10. à Spica 54, 2'. à cauda cygni 24, 39½.           |
| 11 Spica Virginis.                        | 11. ab Arcturo 33, 2'. ab Antare. 45, 52'.           |
| 12 Arcturus.                              | 12. à regulo 59, 49'. ab Antare 56, 4½.              |
| 13 Antares.                               | 13. à lucida Aquilæ 60, 9½. à cauda Leonis 24, 1     |
| 14 Caput Ophiuchi.                        | 14. à Spica 36, 14½. à Lyræ lucida 29, 33½.          |
| 15 Lucida Lyræ. Vultur cadens.            | 15. à Seat 55, 30¾. à Spica 9, 20½.                  |
| 16 Aquilæ lucida. Vultur Volans.          | 16. à lucida Lyræ 34, 9'. à cauda cygni 38, 4½.      |
| 17 Lucida in cauda Cygni.                 | 17. à lucida Lyræ 23, 52'. à Seat 32, 57½.           |
| 18 Lucida in crure dextro Pegasi.         | 18. ab algenib 20, 37'. à lucida cath. Cassiopeiæ 22 |
| 19 Alæ Pegasi ultima.                     | 19. à latere Persei 51, 45½.                         |
| 20 Persei lucidum latus.                  | 20. ab Oculo tauri 36, 20½.                          |
| 21 Cauda Leonis.                          | 21. à Spica 35, 2½.                                  |
| 22 Os Piscis australis.                   | 22. o.   |
| 23 Canopus.                               | 23. o.   |

# CANON PRÆCIPUARUM ESTELLIS FIXIS SECUNDUM OBSERVATA MAJORUM.

*Æ. Octo Fixarum nobilium declinationes ex curis antiquis, consulto  
etiam illustri Brabeo.*

	<i>Timocharidi. ante Chr. 295.</i>	<i>Hipparcho. a. Chr. 128.</i>	<i>Ptolemæo. Chr. 137.</i>	<i>Tycho. i. Chr. 600.</i>
4. Oculi Tauri. 8, 45' <i>b.</i>		9, 45' <i>b.</i>	11, 0' <i>b.</i>	15, 38' <i>b.</i>
α. 6. Capella. — — — — —		40, 24' <i>b.</i>	41, 10' <i>b.</i>	25, 28' <i>b.</i>
8. Sirius. — 15, 20' <i>m.</i>		16, 0' <i>m.</i>	16, 45' <i>m.</i>	16, 11' <i>m.</i>
β. 10. Regulus. — 21, 20' <i>b.</i>		20, 40' <i>b.</i>	19, 50' <i>b.</i>	13, 53' <i>b.</i>
γ. 11. Spica. — — — — — 1, 24' <i>b.</i>		0, 36' <i>b.</i>	0, 36' <i>m.</i>	9, 1' <i>m.</i>
12. Arcturus. — 31, 30' <i>b.</i>		31, 0' <i>b.</i>	29, 50' <i>b.</i>	21, 18' <i>b.</i>
13. Antares. — 18, 20' <i>m.</i>		19, 0' <i>m.</i>	20, 25' <i>m.</i>	25, 26' <i>n.</i>
16. Aquilæ lucida. 5, 48' <i>b.</i>		5, 48' <i>b.</i>	5, 50' <i>b.</i>	7, 54' <i>b.</i>

α. Aristyllo circa an. 300, ante Chr. Capellæ declin. 40, 0' *b.*

β. Hipparcho ante Chr. 128. Reguli longit. 2, 50' *m.*

γ. Timocharidi ante Chr. 295. Spicæ longit. 22, 20'.

ante Chr. 283. Spicæ longit. 22, 30'.

Hipparcho ante Chr. 128. Spicæ longit. 24, 0'.

Menelao anno Chr. 97. Spicæ longit. 25, 45'.

Spicæ Declin. 0, 40' *m.*

Dein Albatanio, Chr. 879. Reguli longit. 14, 0' *b.* Spatio itaq; an-  
norum 742. grad. 11, 50'. aut potius gr. 11, 30'. propter Reguli lon-  
git. Ptolemaicam 2, 30'; non 2, 10'. ficut olim legerat Astrono-  
mus Raccensis.

## Oculi Tauri Longitudo. Anno Christi.

	Hermeti. 25, 17' <i>Æ.</i>
	Hipparcho. 10, 0' <i>V.</i>
140.	Ptolemæo. 12, 40'.
851.	Abomasaro. 19, 15'.
831.	Thabeto. 21, 17'.
	Arzacheli. 23, 20'.
	Albatanio. 24, 30'.
	R. Grostetio. 28, 40'.
1316.	W. Evelhamio. 29, 0'.

## Addit Fixarum Longitudinibus.

	Ptolemaicis gr. anno Christi
	Alphonfus. 17, 8' 1303.
	Wymundus 5, 52' 1320.
	Walterus Vig. 10, 5' 1447.
	Prima arietis distat ab æqui- noctio verno gr. 25, 40'.
	Hic omnia Walterus Vigenien- sis Cœd. 13. inter Digbianos.

*Progrediuntur autem Stella Fixæ gradum unum annis solaribus.*

1. Hipparcho, Ptolemæo, Theoni, Proclo, & Alfergano. ——— 100.
2. Timocharidi Alexandrino, qui observarat spicam cælestem annis Nabon. 454 & 466. Abdorahmano Salehio, & D. Petavio. 072 five  $60^{\circ} \frac{12}{10}$  & 50" quovis anno.
3. Johannidæ Ægyptio, Canonum Hacimicorum conditori ———  $70^{\circ} \frac{1}{4}$ .
4. Jahiæ f. Abomansori, aliisque Probatae, quam vocarunt, )  
Astronomiæ auctoribus: necnon Nafirodino Tusio, Cot- )  
bodino Sirasio, Ologbeco Mogolorum domino, Xachol- )  $70^{\circ}$  &  $51''$ ,  $26''$ .  
gio, Abolphetacho, Abenesdræ, Maimonidæ, & ple- )  
risque juniorum. )
5. Chryfococæ in Perficis, & Astron. Anglicis an. Chr. 1300. 68 &  $52''$ ,  $23'''$ .
6. Astronomis plerisque Arabum sub Mamone principe ———  $66^{\circ} \frac{2}{3}$ .
7. Abdorahmano Sophio, Bahodino Chorcio, Alphonso )  
regi, Albatanio ex Racca, quæ est Callinicos Mesotopo- )  
tamia, Abdogalilo Segazio, Levi & Zacuto Judæis, & )  $66^{\circ}$  &  $54''$ ,  $33'''$ .  
Observatorum Maragensium nonnullis. )
8. Copernico, Mæstlino, aliisque fide illorum --fere  $71^{\circ}$ . &  $50''$ ,  $12'''$ ,  $5''''$ .
9. Nonnullis apud Chorcium Arabem. ———  $54^{\circ}$ .
10. Tychoni Braheo, Keplero, Bullialdo, ex obliquitate Zod. gr.  $23^{\circ} 34' 7'' \frac{7}{12}$ . &  $51''$ .
11. Longomontano. ———  $72^{\circ} \frac{1}{3}$  &  $49''$ ,  $54'''$ .
12. Gassendo. ———  $70^{\circ} \frac{1}{3}$ . &  $51''$ ,  $19'''$ ,  $24''''$ .
13. Ricciolo in Astr. Reformata, ex obliq. Zod. gr.  $23, 30', 20''$ .  $71, 19^{\frac{1}{2}} d. 50'', 40'''$ .
14. Nobis, & Ægyptiorum Hierophantis.  $71^{\circ}$ ,  $9^{\frac{2}{3}}$ , mens. &  $50''$ ,  $9'' \frac{1}{4}$ . fere.